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[1963] [19]p. 16 refs.  
Order from SLA \$1.60

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DESCRIPTORS: Wheat, \*Bakery products, \*Flour,  
\*Enzymes, Fermentation, Fats, Vegetable oils,  
Chemical analysis, \*Lipases.

The factors which influence the determination of li-  
pase in flour, if the Sullivan-Hove method is applied,  
were isolated, and a detailed and simplified procedure  
for the determination of lipase is given. The activity  
of lipase in wheat, rye, and barley flour was examined  
with the above method, and the activity of lipase on  
different vegetable oils (linseed oil, rapeseed oil,  
(Food, TT, v. 10, no. 5)

(over)

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A242775

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Trans. of Archiv der Pharmazie (West Germany) 1951,  
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DESCRIPTORS: Preparation, \*Nicotinic acid.

(Biological Sciences--Pharmacology, TT, v. 9, no. 2)

62-17568

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Trans. of Z[eitschrift für] Anal[ytische] Chem[ie] (West Germany) 1959, v. 170, p. 256-263.

**DESCRIPTORS:** \*Polarization, \*Gas chromatography, \*Phase studies, Hydrocarbons, Gases, Molecular structure.

Twenty-three different stationary phases suitable for the analysis of gaseous hydrocarbons are arranged into a series of increasing polarity. A satisfactory separation of all gaseous paraffins and olefins can be expected only for two polarities. 1,3-butylenglycolsulfite corresponds to the one, a combination of 5 m. diethyl (Chemistry--Analytical, TT, v. 10, no. 11) (over)

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H. Opitz.  
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The solution consists of silver cyanide 15-50g, cadmium cyanide 10-25g, indium cyanide 10-40g, stannous chloride 3-15g, zinc cyanide 10-20g, sodium cyanide 50-80g and sodium carbonate 30-50g dissolved in 1 liter of pure water.

(Metallurgy, TT, v. 5, no. 10)

61-15281

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2. Silver alloys--Applications
- I. Roinu, S.
- II. Patent (Japan) pub. 33-5960

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Roiter, N. I. Berzina, R. S. Bashirova, et al,  
4 pp.

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RT 2008  
AEC Tr 1325

- Chem.

*Also mailed to Benjamin Nathans*

*A 9970*



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KINETICS OF CATALYTIC OXIDATION OF ACETYLENE ON ACTIVE MANGANESE DIOXIDE [Kinetika Kataliticheskogo Okisleniya Atsetilena na Aktivnoi Dvukhisi Margantaa]. [1961] 7p. 3 refs.  
Order from OTS or SLA \$1.10

61-16953

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1943, v. 17 [no. 2] p. 87-96.  
Another translation is available from SLA as RT-1209.

DESCRIPTORS: \*Acetylenes, Oxidation, Manganese compounds, Dioxides, Catalysis.

Catalytic oxidation of acetylene by oxygen on active manganese dioxide occurs either in the inner kinetic region, inner diffusion, or outer diffusion regions, depending upon the temperature. The transition from one region into another is characterized by a change of the order of the reaction and the value of the energy of activation, in good agreement with the theory of the (Chemistry--Physical, TT, v. 6, no. 7) (over)

61-16953

I. Roiter, V.  
II. Rusov, M.

Office of Technical Services

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Kinetics of Catalytic Oxidation of Acetylene on  
Active Manganese Dioxide, by V. Roiter, M. Rusov,  
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Jul 54 CTS

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AEC Tr 1358

1 - Chem

Aug 52 CTS

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DESCRIPTORS: \*Hydrogen compounds, Sulfides, Oxidation, \*Nickel catalysts, \*Lead catalysts, Catalysts, Catalysis, \*Hydrogen, Chemical reactions.

A study was carried out of the efficiency of the catalyst composed of oxides of nickel and lead and supported on kieselguhr in the oxidation of hydrogen sulfide in the mixture  $H_2S + O_2 + H_2 + N_2$ , as dependent upon the following factors: temperature, space velocity. (Chemistry--Physical, TT, v. 6, no. 11) (over)

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gested, involving oxidation of acetylene with oxygen.  
Catalysts were found suitable for this process. They  
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(b) manganese ore promoted with silver salts. The  
first catalyst can be used for the removal of acetylene  
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